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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/879,133	06/13/2001	Shinichirou Eda	1080.1097	3908

21171 7590 09/11/2003

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EXAMINER

RONES, CHARLES

ART UNIT	PAPER NUMBER
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2175

DATE MAILED: 09/11/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary

Application No.

09/879,133

Applicant(s)

EDA ET AL.

Examiner

Charles L. Rones

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 March 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s) _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

DETAILED ACTION

Amendments

The amendments timely filed on June 13, 2001 and March 11, 2002 have been entered.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-6 are rejected under 35 U.S.C. 102(b) as being anticipated by Bannon et al. U. S. Patent No. 5,297,279 ('Bannon').

Bannon discloses:

As to claim 1,

RDB definition information extracting means for extracting RDB definition information from an RDB repository describing therein definition information of the relational database which is a transition object to the object database; See 6:23-54; 8:1-33; 10:1-21; 26:40-67; and

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repository creating means for creating an ODB repository describing therein definition information of the object database associated with the RDB definition information in accordance with the RDB definition information extracted by said RDB definition information extracting means and for creating correlation information repository defining mutual relationship between the RDB definition information and ODB definition information; See 6:23-54; 8:1-33; 10:1-21; 26:40-67.

As to claim 2,

wherein said database transition system further comprises data transition means for converting data of the relational database into the object database in accordance with the correlation information repository created by said repository creating means; See 6:23-54; 8:1-33; 10:1-21; 26:40-67.

As to claim 3,

wherein said database transition system further comprises application program conversion means for converting an application program described in a relational database based language into an application program described in an object database based language in accordance with the correlation information repository created by said repository creating means; See 6:23-54; 8:1-33; 10:1-21; 26:40-67.

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As to claim 4,

RDB definition information extracting means for extracting RDB definition information from an RDB repository describing therein definition information of the relational database which is a transition object to the object database; See 6:23-54; 8:1-33; 10:1-21; 26:40-67; and

repository creating means for creating an ODB repository describing therein definition information of the object database associated with the RDB definition information in accordance with the RDB definition information extracted by said RDB definition information extracting means and for creating correlation information repository defining mutual relationship between the RDB definition information and ODB definition information; See 6:23-54; 8:1-33; 10:1-21; 26:40-67.

As to claim 5,

wherein said database transition processing program further comprises data transition means for converting data of the relational database into the object database in accordance with the correlation information repository created by said repository creating means; See 6:23-54; 8:1-33; 10:1-21; 26:40-67.

As to claim 6,

wherein said database transition processing program further comprises application program conversion means for converting an application program conversion means for converting an application program described in a relational

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database based language into an application program described in an object database based language in accordance with the correlation information repository created by said repository creating means; See 6:23-54; 8:1-33; 10:1-21; 26:40-67.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles L. Rones whose telephone number is 703-306-3030. The examiner can normally be reached on Monday-Thursday 8am-4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici can be reached on 703-305-3830. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3800.



Charles L. Rones
Primary Examiner
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